



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 78 38 79

### Classification of the application (IPC):

C23C 28/00, B32B 15/08, G02B 5/00, C23C 18/32, C23C 20/08, B32B 3/30,  
C23C 18/12, F24S 70/25, C23C 18/16, C23C 18/18

### Technical fields searched (IPC):

C23C, F24S

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 4396643 A (KUEHN ROBERT D ET AL) 02 August 1983 (1983-08-02)	1-3, 5, 6, 8-11
Y	* column 2, line 11 - column 3, line 16; figures 1, 4, 5; examples 7, 10 *	14
	* column 3, lines 35-39 *	
	* column 3, line 61 - column 5, line 6 *	
X	JP 2013019574 A (MURATA MANUFACTURING CO) 31 January 2013 (2013-01-31)	1, 2, 4, 6-9, 12, 13, 15-18
Y	* paragraph [0011]; figures 1-9, 11 *	14
	* paragraph [0038] - paragraph [0043] *	

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
The Hague	18 October 2022	Telias, Gabriela

### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone  
 Y: particularly relevant if combined with another document of the same category  
 A: technological background  
 O: non-written disclosure  
 & : member of the same patent family, corresponding document

P: intermediate document  
 T: theory or principle underlying the invention  
 E: earlier patent document, but published on, or after the filing date  
 D: document cited in the application  
 L: document cited for other reasons



## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 18-10-2022.  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 4396643	A 02-08-1983	EP 0068776 A1	05-01-1983	
		JP S586365 A	13-01-1983	
		JP H0222308 B2	18-05-1990	
		US 4396643 A	02-08-1983	
JP 2013019574	A 31-01-2013	NONE		